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TECHNOLOGY CENTER 2900

DEAR SIRS & MADAM,

THE ENCLOSED LETTER IS A SUPPLEMENT FOR MY PROVISIONAL APPLICATION FOR PATENT COVER SHEET SENT BY US POST OFFICE (CERTIFIED MAIL, NOVEMBER 1ST, 2001)

- TITLE OF THE INVENTION — REVOLUTIONARY CONNECTIONS FOR CONVENTIONAL SPARK PLATES AND SPARK PLUG WIRES.
- PPA COVER SHEET (SENT NOVEMBER 1ST, 2001)
- 2 SHEETS OF DRAWINGS WITH SPECIFICATIONS (SENT NOV. 1ST, 2001)
- ONE PERSONAL CHECK # 6634, AMOUNT US \$ 160⁰⁰ (SENT NOV. 1ST, 01)
- STAMPED, SELF-ADDRESSED POSTCARD CONTAINING A DETAILED LIST (SENT NOV. 1ST, 01)
- NAMES OF INVENTORS — SI-NIN QUAN, JUDY FEI-MAN QUAN

THANK YOU FOR
YOUR ATTENTION

NOV. 4TH 01

ABSTRACT

- By utilizing the existing conventional spark plugs & spark plug wires (used in all internal combustion chambers), modifications can be made to facilitate the removals between spark plugs & spark plug wires.
- The top part of a spark plug (here referred as plug tip) has two built-in slot-pins (essence of the invention) which serve as lock-in, guiding and hold-down purposes. Specifications for slot-pins are provided in drawings. Slot-pins styles and configurations are optional. Manufacturers and engineering departments have the rights of build to suit.
- With a thrust washer and a compressible spring placed against the slot-pins and assembled. A new look and new function will be formed.
- The metal part of a conventional spark plug wire (here referred as metal clamp) has a stationary protective rubber boot, with a calibrated cut-in slot & curve in the metal clamp and a slideable protective rubber boot. The procedures of installing, securing, & removal (particularly) will be phenomena to mechanics. It is strongly recommended that the material of the new designed metal clamp be superior to the existing counterpart. Reduction to practice has revealed flawless results.
- Upon installation, slide protective rubber upward to expose metal clamp, press & turn clockwise to lock, then slide boot down to cover spark plug ceramic body. For removal, slide protective rubber boot upward to expose metal clamp, press & turn counter clockwise to disconnect. In addition to removal, the metal clamp will actually pop out by itself, an unbelievable scene to mechanics.